

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6633545".pn.	US-PGPUB; USPAT	OR	ON	2007/03/29 09:09
L2	1	"6673179".pn.	US-PGPUB; USPAT	OR	ON	2007/03/29 09:09
L3	1	"6073179".pn.	US-PGPUB; USPAT	OR	ON	2007/03/29 09:10
S1	674	"375"/\$.CCLS. and (channel adj cod\$5) and diversity	US-PGPUB; USPAT	OR	ON	2005/09/09 09:15
S2	230	"375"/\$.CCLS. and ((channel adj cod\$5) same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/27 07:06
S3	1	"6247158".pn.	US-PGPUB; USPAT	OR	ON	2005/09/08 16:58
S4	7	("4577317"   "5283780"   "5907582"   "5909439"   "5970085"   "6023492"   "6049566").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 17:00
S5	1	"6178196".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 17:00
S6	1	"6389063".PN.	US-PGPUB; USPAT	OR	ON	2005/09/09 09:16
S7	1	"6603807".PN.	US-PGPUB; USPAT	OR	ON	2005/09/09 09:16
S8	1	"6359926".PN.	US-PGPUB; USPAT	OR	ON	2005/09/09 09:16
S9	15	"375"/260.CCLS. and ((channel adj cod\$5) same diversity)	US-PGPUB; USPAT	OR	ON	2005/09/15 15:55
S10	1	"6178196".pn.	US-PGPUB; USPAT	OR	ON	2005/09/15 16:00
S11	1	"6693982".pn.	US-PGPUB; USPAT	OR	ON	2005/09/15 16:41
S12	0	cross adj correlated adj base adj band	US-PGPUB; USPAT	OR	ON	2006/02/24 11:01
S13	762	(cross adj correlated) near2 signal	US-PGPUB; USPAT	OR	ON	2005/09/15 16:42
S14	589	(cross adj correlated) near signal	US-PGPUB; USPAT	OR	ON	2005/09/15 16:42
S15	43	S14 with transmit\$5	US-PGPUB; USPAT	OR	ON	2005/09/15 16:50
S16	362	transmitter same diversity same delay	US-PGPUB; USPAT	OR	ON	2005/09/15 16:51
S17	3	transmitter same diversity same (delay adj path)	US-PGPUB; USPAT	OR	ON	2005/09/15 16:51

## EAST Search History

S18	1196	diversity with delay	US-PGPUB; USPAT	OR	ON	2005/09/15 17:03
S19	139	diversity same (multi adj user)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:04
S20	15	diversity same (plurality adj user) same transmitter	US-PGPUB; USPAT	OR	ON	2005/09/15 17:12
S21	24	diversity same (plurality adj user) same transmission	US-PGPUB; USPAT	OR	ON	2005/09/15 17:06
S22	0	diversity same (plurality adj user) same (different adj PN)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:11
S23	18	diversity same (plurality adj user) same ( PN adj code)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:12
S24	0	diversity same (plurality adj user) same ( PN adj code)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:12
S25	34	(plurality adj antenna) same (plurality adj user)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:16
S26	17	(plurality adj antenna) same (plurality adj user) same transmi\$5	US-PGPUB; USPAT	OR	ON	2005/09/15 17:17
S27	0	(plurality adj antenna) same (distinct adj signal)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:18
S28	3	(plurality adj antenna) same (different adj spread adj code)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:18
S29	12	(diversity) same (different adj spread adj code)	US-PGPUB; USPAT	OR	ON	2005/09/15 17:19
S30	0	multiusers same (channel adj coder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:54
S31	3	data same (channel adj coder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:54
S32	1	MIMO same (channel adj coder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:03
S33	3	(MIMO same (channel adj coder)) and (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:56
S34	86	multi adj user adj data	US-PGPUB; USPAT	OR	ON	2005/09/16 14:58
S35	2	S34 and mimo	US-PGPUB; USPAT	OR	ON	2005/09/16 14:56
S36	10	S34 and diversity	US-PGPUB; USPAT	OR	ON	2005/09/16 14:57
S37	0	S34 and (seial adj parallel)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:58
S38	0	S34 and (serial adj parallel)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:58
S39	194399	data same channel coder same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:59

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S40	3	data same (channel adj coder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 14:59
S41	8	data same (coder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:00
S42	31	data and (channel adj coder) and (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:01
S43	3	(channel adj coder) same MIMO	US-PGPUB; USPAT	OR	ON	2005/09/16 15:02
S44	5	(channel adj coder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:03
S45	66	(encoder) same (plurality adj antenna)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:16
S46	5	"6285720"	US-PGPUB; USPAT	OR	ON	2005/09/16 15:06
S47	13	"375"/\$.ccls. and (multi adj user adj data)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:19
S48	48	"375"/\$.ccls. and ((multi adj user) same TDMA)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:20
S49	9	"375"/\$.ccls. and ((multi adj user) same FDD)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:21
S50	10	"370"/\$.ccls. and ((multi adj user) same FDD)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:22
S51	1	"370"/\$.ccls. and ((channel adj encoder) same FDD)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:24
S52	0	"370"/\$.ccls. and ((channel adj coder) same FDD)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:24
S53	1	((channel adj coder) same FDD)	US-PGPUB; USPAT	OR	ON	2005/09/16 15:24
S54	0	((channel adj coder) same (multi adj user))	US-PGPUB; USPAT	OR	ON	2005/09/16 15:24
S55	1	((channel adj encoder) same (multi adj user))	US-PGPUB; USPAT	OR	ON	2005/09/16 15:26
S56	16	((spatial adj diversity) same (multi adj user))	US-PGPUB; USPAT	OR	ON	2005/09/16 15:27
S57	99	((spatial adj diversity) and (multi adj user))	US-PGPUB; USPAT	OR	ON	2005/09/16 15:36
S58	3	"6359864"	US-PGPUB; USPAT	OR	ON	2005/09/16 15:31
S59	106	((FDD and CDMA) and (multi adj user))	US-PGPUB; USPAT	OR	ON	2005/09/16 15:31
S60	11	((spatial adj diversity) and (channel adj coder))	US-PGPUB; USPAT	OR	ON	2005/09/16 15:36

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S61	5	("5321725"   "5784417"   "6031474"   "6088408"   "6473878").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:48
S62	38154	data adj source	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:48
S63	19	S62 with (multi adj user)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:53
S64	3	(frequency adj division adj duplex) same (multi adj user) same CDMA	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:51
S65	5	("5559723"   "5905946"   "5933457"   "6161209"   "6615024").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:52
S66	0	(multi adj user adj source)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:53
S67	25	((multi adj user) near2 source)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:53
S68	23266	((multi adj user) near2 source) amd MIMO	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:53
S69	0	((multi adj user) near2 source) and MIMO	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 15:55
S70	1	"6693982".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:11
S71	1	"5886967".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:11
S72	1	"5886987".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:13
S73	6	(information adj source) near2 (different adj source)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:13
S74	323	"375"/\$.ccls. and (multiple adj access adj interference)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:14
S75	32	"375"/\$.ccls. and (multiple adj access adj interference) and (demultiplex\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:16

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S76	7	"375"/\$.ccls. and (multiple adj access adj interference) and (demultiplex\$5) and coder	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:14
S77	28	"375"/\$.ccls. and (multiple adj channel) and (channel adj coder)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/16 16:16
S78	1	"6741658".pn.	US-PGPUB; USPAT	OR	ON	2005/09/18 08:43
S79	1	"6898248".pn.	US-PGPUB; USPAT	OR	ON	2005/09/18 08:44
S80	1	"6359864".pn.	US-PGPUB; USPAT	OR	ON	2006/02/21 10:50
S81	1	"6310923".pn.	US-PGPUB; USPAT	OR	ON	2006/02/21 10:50
S82	3	375/267.ccls. and (transmit near (different adj information))	US-PGPUB; USPAT	OR	ON	2006/02/24 13:52
S83	1	"6693982".pn.	US-PGPUB; USPAT	OR	ON	2006/02/24 15:16
S84	561	mapper with identif\$8	US-PGPUB; USPAT	OR	ON	2006/02/24 15:16
S85	71	"375"/\$.ccls. and (mapper with identif\$8)	US-PGPUB; USPAT	OR	ON	2006/02/24 15:16
S86	1	"6693982".pn.	US-PGPUB; USPAT	OR	ON	2006/02/27 09:36
S87	171	space adj time adj block adj code	US-PGPUB; USPAT	OR	ON	2006/02/27 13:37
S88	25	S87 and (spread adj spectrum)	US-PGPUB; USPAT	OR	ON	2006/02/27 10:11
S89	2	S87 and (spread adj code)	US-PGPUB; USPAT	OR	ON	2006/02/27 09:36
S90	126	(angle adj diversity)	US-PGPUB; USPAT	OR	ON	2006/02/27 10:12
S91	0	S87 and S90	US-PGPUB; USPAT	OR	ON	2006/02/27 10:11
S92	155	space adj time adj diversity	US-PGPUB; USPAT	OR	ON	2006/02/27 10:12
S93	3	S90 and S92	US-PGPUB; USPAT	OR	ON	2006/02/27 10:12
S94	3	(angle adj diversity) same (fading adj channel)	US-PGPUB; USPAT	OR	ON	2006/02/27 10:17
S95	1	(angle adj diversity) same (directed adj antenna adj beam)	US-PGPUB; USPAT	OR	ON	2006/02/27 10:17
S96	1	((plurality adj antenna) same (code adj rate) same adapt\$8)	US-PGPUB; USPAT	OR	ON	2006/02/27 10:54

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S97	4	((plurality adj antenna) same (code adj rate)) and adapt\$8	US-PGPUB; USPAT	OR	ON	2006/02/27 10:55
S98	0	((plurality adj antenna) same (adapt\$8 adj code adj rate))	US-PGPUB; USPAT	OR	ON	2006/02/27 10:55
S99	0	((adaptive adj antenna) same (adapt\$8 adj code adj rate))	US-PGPUB; USPAT	OR	ON	2006/02/27 10:55
S100	0	((adaptive adj antenna) and (adapt\$8 adj code adj rate))	US-PGPUB; USPAT	OR	ON	2006/02/27 15:02
S101	94	((adaptive adj modulation) and (adaptive adj cod\$5))	US-PGPUB; USPAT	OR	ON	2006/02/27 13:11
S102	1	"5383219".pn.	US-PGPUB; USPAT	OR	ON	2006/02/27 13:36
S103	50	S87 and (transmit adj power)	US-PGPUB; USPAT	OR	ON	2006/02/27 13:43
S104	1	"6693982".pn.	US-PGPUB; USPAT	OR	ON	2006/02/27 14:05
S105	5828	channel adj estimat\$5	US-PGPUB; USPAT	OR	ON	2006/02/27 14:05
S106	1751	channel adj estimator	US-PGPUB; USPAT	OR	ON	2006/02/27 14:06
S107	48	S106 same (channel adj equalizer)	US-PGPUB; USPAT	OR	ON	2006/02/27 14:08
S108	3	S107 and (space adj time)	US-PGPUB; USPAT	OR	ON	2006/02/27 14:08
S109	7	375/267.ccls. and recod\$5	US-PGPUB; USPAT	OR	ON	2006/02/27 15:07
S110	3	("5781845"   "6067324"   "6122260").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 15:06
S111	3	"375"/\$.ccls. and recod\$5 and (MAI)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:08
S112	1	"375"/\$.ccls. and reencod\$5 and (MAI)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:10
S113	7	reencod\$5 and (MAI)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:08
S114	0	"375"/148.ccls. and reencod\$5 and (MAI)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:14
S115	0	"375"/148.ccls. and reencod\$5 and (space adj time adj diversity)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:14
S116	0	"375"/\$.ccls. and reencod\$5 and (space adj time adj diversity)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:14
S117	0	"375"/\$.ccls. and reencod\$5 and ((space adj time) near2 code)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:15

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S11 8	0	"375"/\$.ccls. and reencod\$5 and ((space adj time) with code)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:15
S11 9	7	"375"/\$.ccls. and (re adj encod\$5) and ((space adj time) with code)	US-PGPUB; USPAT	OR	ON	2006/02/27 15:15
S12 0	56	375/260.ccls. and Channeliz\$6	US-PGPUB; USPAT	OR	ON	2006/08/10 16:58
S12 1	180	375/267.ccls. and (space adj time adj cod\$8)	US-PGPUB; USPAT	OR	ON	2006/08/11 11:15
S12 2	1	"6366888".pn.	US-PGPUB; USPAT	OR	ON	2006/08/11 11:15
S12 3	3	375/267.ccls. and (non adj interleav\$8)	US-PGPUB; USPAT	OR	ON	2006/08/11 11:17
S12 4	11	375/260.ccls. and (non adj interleav\$8)	US-PGPUB; USPAT	OR	ON	2006/08/11 11:22
S12 5	0	"375"/\$.ccls. and ((inner adj cod\$5) same (outer adj cod\$6) same(non adj interleav\$8))	US-PGPUB; USPAT	OR	ON	2006/08/11 11:24
S12 6	2	"375"/\$.ccls. and ((inner adj cod\$5) same (outer adj cod\$6)) and(non adj interleav\$8)	US-PGPUB; USPAT	OR	ON	2006/08/11 11:24
S12 7	0	"375"/\$.ccls. and ((outer adj cod\$6) same(non adj interleav\$8))	US-PGPUB; USPAT	OR	ON	2006/08/11 11:25
S12 8	3	"375"/267.ccls. and (( cod\$6) same(non adj interleav\$8))	US-PGPUB; USPAT	OR	ON	2006/08/11 11:25
S12 9	2	"375"/267.ccls. and (( transmit\$5) with(non adj interleav\$8))	US-PGPUB; USPAT	OR	ON	2006/08/11 11:27
S13 0	4	"375"/267.ccls. and (( transmit\$5) with(without adj interleav\$8))	US-PGPUB; USPAT	OR	ON	2006/08/11 11:27
S13 1	180	"375"/267.ccls. and (space adj time adj cod\$6)	US-PGPUB; USPAT	OR	ON	2006/08/11 11:28
S13 2	1	"6115427".pn.	US-PGPUB; USPAT	OR	ON	2006/08/16 08:06
S13 3	1	"6693982".pn.	US-PGPUB; USPAT	OR	ON	2006/08/16 08:06
S13 4	3	09/393235	US-PGPUB; USPAT	OR	ON	2006/08/16 13:47
S13 5	353	combin\$3 with serializ\$3	US-PGPUB; USPAT	OR	ON	2006/08/16 13:48
S13 6	3383513	number of transmitter antennas	US-PGPUB; USPAT	OR	ON	2007/03/20 07:30
S13 7	1	10/184054	US-PGPUB; USPAT	OR	ON	2007/03/20 09:21
S13 8	1	10/619691	US-PGPUB; USPAT	OR	ON	2007/03/20 09:37

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S13 9	1	"6636603".pn.	US-PGPUB; USPAT	OR	ON	2007/03/20 09:41
S14 0	1	"20040202237"	US-PGPUB; USPAT	OR	ON	2007/03/20 15:17
S14 1	1	09/798727	US-PGPUB; USPAT	OR	ON	2007/03/20 15:17
S14 2	1	"6745050".pn.	US-PGPUB; USPAT	OR	ON	2007/03/23 08:55
S14 3	6	("20020097779"   "4794556"   "4941178"   "5668830"   "6480557"   "RE31943").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:55
S14 4	695	CDMA same (multi adj user)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:55
S14 5	374	"375"/\$.ccls. and (CDMA same (multi adj user))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:56
S14 6	287	"375"/\$.ccls. and (CDMA with (multi adj user))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:56
S14 7	0	"375"/\$.ccls. and (CDMA with (multi adj user)) and (interference adj cancel\$&)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:57
S14 8	89	"375"/\$.ccls. and (CDMA with (multi adj user)) and (interference adj cancel\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:57
S14 9	8	("4134071"   "4744093"   "5136612"   "5164959"   "5361219"   "5363403"   "5481533"   "5790590").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 08:58
S15 0	14	("5956333").URPN.	USPAT	OR	OFF	2007/03/23 09:01
S15 1	1	09/326222.app.	US-PGPUB; USPAT; DERWENT; IBM_TDB	OR	OFF	2007/03/23 09:01
S15 2	11	("4124818"   "4992798"   "5418814"   "5467368"   "5566165"   "5596600"   "5724378"   "5956333"   "6032026"   "6088383"   "6229857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:03
S15 3	11	"375"/\$.ccls. and (multi adj user adj demodul\$8)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 11:53
S15 4	0	"375"/\$.ccls. and (multi adj user ) and remodult\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:09

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S15 5	23	"375"/\$.ccls. and (multi adj user ) and remodulat\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:05
S15 6	0	"370"/\$.ccls. and (multi adj user ) and remodulat\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:09
S15 7	0	"455"/\$.ccls. and (multi adj user ) and remodulat\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:10
S15 8	0	"455"/\$.ccls. and ( user ) and remodulat\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:10
S15 9	237	"455"/\$.ccls. and ( user ) and remodulat\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:10
S16 0	10	"455"/\$.ccls. and ( multiuser ) and remodulat\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:11
S16 1	30	( multiuser ) and remodulat\$6 and CDMA	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:14
S16 2	873	( multiuser ) and CDMA	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:14
S16 3	523	"375"/\$.ccls. and ( multiuser ) and CDMA	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:14
S16 4	299	"375"/\$.ccls. and ((multiuser ) same CDMA)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/23 09:14
S16 5	1	"5956333".pn.	US-PGPUB; USPAT	OR	ON	2007/03/26 09:23
S16 6	1	"5644592".pn.	US-PGPUB; USPAT	OR	ON	2007/03/26 09:30
S16 7	1	10/184054	US-PGPUB; USPAT	OR	ON	2007/03/26 10:06
S16 8	1	"6115427".pn.	US-PGPUB; USPAT	OR	ON	2007/03/26 10:28
S16 9	49	375/267.ccls. and (multiuser)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:32
S17 0	6	375/260.ccls. and (multiuser same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:33
S17 1	2	375/295.ccls. and (multiuser same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:34
S17 2	8	375/130.ccls. and (multiuser same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:38

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S17 3	1	375/299.ccls. and (multiuser same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:35
S17 4	16	375/299.ccls. and (multiuser.)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:35
S17 5	41	375/130.ccls. and (multiuser )	US-PGPUB; USPAT	OR	ON	2007/03/26 10:38
S17 6	13	375/130.ccls. and (multiuser and PN)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:40
S17 7	355	375/299.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/26 10:40
S17 8	167	375/299.ccls. and user	US-PGPUB; USPAT	OR	ON	2007/03/26 10:40
S17 9	10	375/299.ccls. and (user same PN)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:53
S18 0	708	"375"/\$.ccls. and (multi adj user) and CDMA	US-PGPUB; USPAT	OR	ON	2007/03/26 10:54
S18 1	294	"375"/\$.ccls. and (multi adj user) and CDMA and diversity	US-PGPUB; USPAT	OR	ON	2007/03/26 10:54
S18 2	19	"375"/\$.ccls. and ((multi adj user) same CDMA same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/26 10:59
S18 3	14	"455"/\$.ccls. and ((multi adj user) same CDMA same diversity)	US-PGPUB; USPAT	OR	ON	2007/03/26 11:03
S18 4	134	"375"/267.ccls. and ((user) same CDMA )	US-PGPUB; USPAT	OR	ON	2007/03/26 11:18
S18 5	0	"375"/267.ccls. and (variable near3 rate) same (number adj antenna)	US-PGPUB; USPAT	OR	ON	2007/03/26 11:19
S18 6	9	"375"/267.ccls. and (variable near3 rate) and (number adj antenna)	US-PGPUB; USPAT	OR	ON	2007/03/26 11:19
S18 7	7	"375"/\$.ccls. and (variable near3 rate) and (number adj antenna) and (variable adj coding adj rate)	US-PGPUB; USPAT	OR	ON	2007/03/26 11:34
S18 8	1	"6349216".pn.	US-PGPUB; USPAT	OR	ON	2007/03/26 11:35

## EAST Search History

S18 9	53	("4041395"   "4147985"   "4165493"   "4348644"   "4356458"   "4370622"   "4442407"   "4546313"   "4647871"   "4827219"   "4890062"   "4924191"   "4985686"   "4990866"   "4994757"   "5060294"   "5101172"   "5113414"   "5119040"   "5170496"   "5195045"   "5220276"   "5251330"   "5251331"   "5276912"   "5278997"   "5300894"   "5302914"   "5329244"   "5339041"   "5351016"   "5361403"   "5408691"   "5420536"   "5428828"   "5483680"   "5553318"   "5564086"   "5589796"   "5598127"   "5640691"   "5673001"   "5694433"   "5742201"   "5880633"   "5901346"   "5905407"   "5907797"   "6020787"   "6069525"   "6141541"   "6160449"   "6166598").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 13:31
S19 0	1	"6947491".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 14:03
S19 1	188	(code adj rate) and (increas\$5 with antenna)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 14:04
S19 2	6	(code adj rate) same (increas\$5 with antenna)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:23
S19 3	243	375/267.ccls. and (close loop adj power adj control)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:23
S19 4	1986913	375/267.ccls. and multiuser (close loop adj power adj control)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:24
S19 5	7	375/267.ccls. and multiuser and (close loop adj power adj control)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:24
S19 6	0	375/267.ccls. and multiuser and (close\$2 adj loop adj power adj control)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:25
S19 7	1	"6115406".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:25
S19 8	6	("4901307"   "5652764"   "5886987"   "5952968"   "5982327"   "5991332").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:31
S19 9	13	("4835790"   "5267262"   "5347535"   "5412686"   "5485486"   "5548835"   "5559789"   "5574983"   "5581547"   "5590409"   "5598404"   "5604766"   "5646937").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:45

## EAST Search History

S20 0	26	("5886987").URPN.	USPAT	OR	OFF	2007/03/26 15:47
S20 1	13	("4835790"   "5267262"   "5347535"   "5412686"   "5485486"   "5548835"   "5559789"   "5574983"   "5581547"   "5590409"   "5598404"   "5604766"   "5646937").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 15:57
S20 2	5	"375"/267.CCLS. and (MIMO and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:06
S20 3	7	"375"/260.CCLS. and (MIMO and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:07
S20 4	30	"375"/\$.CCLS. and (MIMO and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:08
S20 5	18	"370"/\$.CCLS. and (MIMO and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:09
S20 6	7	"455"/\$.CCLS. and (MIMO and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:09
S20 7	10	"455"/\$.CCLS. and (OFDM and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:12
S20 8	39	"370"/\$.CCLS. and (OFDM and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 07:10
S20 9	39	"375"/\$.CCLS. and (OFDM and (MAI))	US-PGPUB; USPAT	OR	ON	2007/03/27 08:04
S21 0	1	"6115427".pn.	US-PGPUB; USPAT	OR	ON	2007/03/27 08:05
S21 1	81	(code adj rate) same (number near antenna)	US-PGPUB; USPAT	OR	ON	2007/03/27 08:20
S21 2	1	"6560295".pn.	US-PGPUB; USPAT	OR	ON	2007/03/27 08:52
S21 3	387	(space adj time) same CDMA	US-PGPUB; USPAT	OR	ON	2007/03/27 08:53
S21 4	68	375/267.ccls. and ((space adj time) same CDMA)	US-PGPUB; USPAT	OR	ON	2007/03/27 09:15
S21 5	2	375/267.ccls. and (compar\$8 with uplink with downlink)	US-PGPUB; USPAT	OR	ON	2007/03/27 09:16
S21 6	1	375/222.ccls. and (compar\$8 with uplink with downlink)	US-PGPUB; USPAT	OR	ON	2007/03/27 09:21
S21 7	0	375/222.ccls. and ((compar\$8 with uplink with downlink) same interference)	US-PGPUB; USPAT	OR	ON	2007/03/27 09:21
S21 8	9	"375"/\$.ccls. and ((compar\$8 with uplink with downlink) same interference)	US-PGPUB; USPAT	OR	ON	2007/03/27 09:22

## EAST Search History

S21 9	0	"375"/222.ccls. and (diagnostic adj bit)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 11:54
S22 0	0	"375"/222.ccls. and (diagnostic adj tone)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 11:54
S22 1	0	"370"/\$.ccls. and (diagnostic adj tone)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 13:14
S22 2	19	"370"/\$.ccls. and (diagnostic with tone)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 13:17
S22 3	0	375/222.ccls. and (diagnostic adj tone)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:19
S22 4	0	375/222.ccls. and (diagnostic with tone)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:19
S22 5	22	375/222.ccls. and (diagnostic with bit)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:26
S22 6	8	("5889856"   "6137839"   "6263016"   "6374288"   "6400759"   "6442195"   "6477595"   "6594306").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 13:22
S22 7	0	375/222.ccls. and (diagnostic with DMT )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:43
S22 8	0	"375"/\$.ccls. and (diagnostic with DMT )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:26
S22 9	0	"370"/\$.ccls. and (diagnostic with DMT )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:26
S23 0	0	"370"/\$.ccls. and (diagnostic same DMT )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:27
S23 1	1	"375"/\$.ccls. and (diagnostic same DMT )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:39
S23 2	113	"375"/\$.ccls. and (diagnostic same message)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:39
S23 3	4	"375"/\$.ccls. and (diagnostic same message) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:41
S23 4	6	"370"/\$.ccls. and (diagnostic same message) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:42
S23 5	0	"370"/\$.ccls. and (diagnostic same DMT)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:42
S23 6	1	"375"/\$.ccls. and (diagnostic same DMT)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:45
S23 7	15	(diagnostic same DMT)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:43
S23 8	1	375/222.ccls. and (diagnostic adj message)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:43

## EAST Search History

S23 9	0	375/260.ccls. and (diagnostic adj message) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:44
S24 0	0	375/260.ccls. and (diagnostic adj message)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:44
S24 1	21	375/260.ccls. and (diagnostic )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:44
S24 2	5	375/260.ccls. and (diagnostic ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:45
S24 3	5	375/260.ccls. and (diagnostic ) and OFDM	US-PGPUB; USPAT	OR	ON	2007/03/27 13:45
S24 4	1	"379"/\$.ccls. and (diagnostic same DMT)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:45
S24 5	5	"379"/\$.ccls. and (diagnostic same bins)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:46
S24 6	3	"375"/\$.ccls. and (diagnostic same bins)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:46
S24 7	12	"370"/\$.ccls. and (diagnostic same bins)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:47
S24 8	3	"370"/\$.ccls. and (bit with diagnostic ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:48
S24 9	7	"375"/\$.ccls. and (bit with diagnostic ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:50
S25 0	0	"702"/\$.ccls. and (bit with diagnostic ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:50
S25 1	0	"370"/249.ccls. and (bit with diagnostic ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:52
S25 2	0	"370"/249.ccls. and ( diagnostic ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/27 13:52
S25 3	65	"370"/249.ccls. and ( diagnostic )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:52
S25 4	1	"370"/249.ccls. and ( diagnostic adj message )	US-PGPUB; USPAT	OR	ON	2007/03/27 13:52
S25 5	1	"370"/249.ccls. and ( initiat\$5 near2 diagnostic )	US-PGPUB; USPAT	OR	ON	2007/03/27 14:37
S25 6	0	dianostic same (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/27 14:37
S25 7	0	diagnostic same (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/27 14:37
S25 8	0	"375"/\$.ccls. and (diagnostic same (DMT adj symbol))	US-PGPUB; USPAT	OR	ON	2007/03/27 14:37
S25 9	9	"375"/\$.ccls. and (diagnostic and (DMT adj symbol))	US-PGPUB; USPAT	OR	ON	2007/03/27 14:57
S26 0	1	"375"/\$.ccls. and (diagnostic same DMT )	US-PGPUB; USPAT	OR	ON	2007/03/27 14:58

## EAST Search History

S26 1	19	"375"/\$.ccls. and (bit near2 diagnostic )	US-PGPUB; USPAT	OR	ON	2007/03/27 15:00
S26 2	1	"375"/\$.ccls. and (map\$5 with (bit near2 diagnostic) )	US-PGPUB; USPAT	OR	ON	2007/03/27 15:00
S26 3	12	("4566100"   "5128619"   "5608643"   "5864602"   "5964891"   "6075821"   "6188717"   "6219378"   "6404774"   "6411678"   "6449307"   "6512789"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 15:07
S26 4	0	map\$7 with diagnostic with DMT	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 15:08
S26 5	0	map\$7 with diagnostic with DMT	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:09
S26 6	0	map\$7 with (diagnostic adj bit) with DMT	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:09
S26 7	1	375/260.ccls. and DMT and diagnostic	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:13
S26 8	13	375/222.ccls. and DMT and diagnostic	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:10
S26 9	0	375/260.ccls. and (diagnostic adj bit)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:13
S27 0	1	"375"/\$.ccls. and (diagnostic adj bit)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:13
S27 1	1	"379"/\$.ccls. and (diagnostic adj bit)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:14
S27 2	69	(diagnostic adj bit)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:15
S27 3	0	(diagnostic adj bit) and DMT	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:14
S27 4	0	(diagnostic adj bit) and multicarrier	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:14
S27 5	0	(diagnostic adj meassage) and (DMT adj symbol)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 15:16

## EAST Search History

S27 6	1	(diagnostic adj message) and (DMT adj symbol)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 16:15
S27 7	4	10/127164	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/03/27 16:15
S27 8	44	("20020006169"   "20020191709"   "20030067995"   "3898566"   "4878232"   "5163181"   "5228055"   "5249201"   "5490172"   "5493587"   "5579342"   "5608760"   "5621762"   "5636247"   "5638404"   "5651028"   "5727026"   "5751705"   "5805640"   "5822360"   "5930678"   "5991262"   "6009090"   "6032029"   "6041081"   "6125103"   "6128351"   "6130918"   "6175551"   "6222873"   "6229995"   "6236864"   "6240141"   "6246725"   "6294956"   "6356606"   "6449302"   "6504862"   "6687511"   "6701163"   "6931053"   "6931079"   "6931239"   "6931240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 16:19
S27 9	1	"5930678".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 16:19
S28 0	0	(diagnostic adj DMT)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:37
S28 1	29	(diagnostic adj tone)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:37
S28 2	0	"375"/\$.ccls. and (diagnostic adj tone)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:37
S28 3	0	"375"/\$.ccls. and (diagnostic near tone)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:37
S28 4	7	"375"/\$.ccls. and (diagnostic near bits)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:38
S28 5	0	"375"/\$.ccls. and (diagnos\$6 near DMT)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:38
S28 6	0	"375"/\$.ccls. and (diagnos\$6 with DMT)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:38
S28 7	479	"375"/\$.ccls. and (bit with DMT)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:39
S28 8	207	"375"/\$.ccls. and (bit near3 DMT)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:39
S28 9	13	"375"/\$.ccls. and (bit near3 DMT) and diagnos\$5	US-PGPUB; USPAT	OR	ON	2007/03/28 07:47
S29 0	1	"375"/\$.ccls. and ( DMT same diagnos\$5)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:47

## EAST Search History

S29 1	40	"375"/\$.ccls. and ( DMT and diagnos\$5)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:49
S29 2	43	"375"/222.ccls. and ( diagnos\$5 near3 modem)	US-PGPUB; USPAT	OR	ON	2007/03/28 07:50
S29 3	10	"375"/222.ccls. and ( diagnos\$5 near3 modem) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/28 07:56
S29 4	0	"370"/484.ccls. and ( diagnos\$5 near3 modem) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/28 07:52
S29 5	0	"370"/484.ccls. and ( diagnos\$5 ) and DMT	US-PGPUB; USPAT	OR	ON	2007/03/28 07:52
S29 6	1	"370"/484.ccls. and ( diagnos\$5 )	US-PGPUB; USPAT	OR	ON	2007/03/28 07:52
S29 7	16	"370"/480.ccls. and ( diagnos\$5 )	US-PGPUB; USPAT	OR	ON	2007/03/28 07:52
S29 8	11	"375"/222.ccls. and ( diagnos\$5 adj mode)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:08
S29 9	1	"6658052".pn.	US-PGPUB; USPAT	OR	ON	2007/03/28 08:26
S30 0	96171	(one adj bit)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:27
S30 1	5	(one adj bit) with (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:28
S30 2	197	(bit) with (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:28
S30 3	27	(bit) with (DMT adj symbol) and (diagnos\$7)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:30
S30 4	0	(bit near test\$5) with (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:31
S30 5	0	(diagnos near tone) and (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:31
S30 6	0	(diagnos\$5 near tone) and (DMT adj symbol)	US-PGPUB; USPAT	OR	ON	2007/03/28 08:31
S30 7	0	(diagnos\$5 near tone) and (DMT )	US-PGPUB; USPAT	OR	ON	2007/03/28 08:31
S30 8	0	(diagnos\$5 near carrier) and (DMT )	US-PGPUB; USPAT	OR	ON	2007/03/28 08:36
S30 9	5	diagnos\$5 with (DMT )	US-PGPUB; USPAT	OR	ON	2007/03/28 09:12
S31 0	106	(Pulse adj width adj modulat\$6) same (FSK)	US-PGPUB; USPAT	OR	ON	2007/03/28 10:04
S31 1	1	"6633545".pn.	US-PGPUB; USPAT	OR	ON	2007/03/28 10:48
S31 2	1	10/619691	US-PGPUB; USPAT	OR	ON	2007/03/28 10:48